

ABSTRACT

[0269] The invention relates to molecules or molecular complexes which comprise binding pockets of angiotensin-converting enzyme-related carboxypeptidase or its homologues. The invention relates to a computer comprising a data storage medium encoded with the structure coordinates of such binding pockets. The invention also relates to methods of using the structure coordinates to solve the structure of homologous proteins or protein complexes. The invention relates to methods of using the structure coordinates to screen for and design compounds that bind to angiotensin-converting enzyme-related carboxypeptidase protein or homologues thereof. The invention also relates to crystallizable compositions and crystals comprising angiotensin-converting enzyme-related carboxypeptidase protein or angiotensin-converting enzyme-related carboxypeptidase protein complexes.